

Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary) (37 CFR 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05918-153001	Application No. 09/440,384
		Applicant Howard A. Kingsford	
		Filing Date November 15, 1999	Group Art Unit 1772

## U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
M.L.	AA	4,381,963	05/1983	Goldstein et al.	156	245	7/30/80
M.L.	AB	4,585,991	04/1986	Reid et al.	216	2	5/16/85
M.L.	AC	4,784,737	11/1988	Ray et al.	204	180.1	4/18/86
M.L.	AD	5,156,591	10/1992	Gross et al.	604	20	10/17/88
M.L.	AE	5,250,023	10/1993	Lee et al.	604	20	10/20/90
M.L.	AF	5,256,360	10/1993	Li	264	219	5/25/91
M.L.	AG	5,279,544	01/1994	Gross et al.	604	20	1/12/92
M.L.	AH	5,318,557	06/1994	Gross	604	891.1	2/22/93
M.L.	AI	5,362,307	11/1994	Guy et al.	604	20	6/04/89
M.L.	AJ	5,498,235	03/1996	Flower	604	20	10/4/91
M.L.	AK	5,527,288	06/1996	Gross et al.	604	140	9/20/94
M.L.	AL	5,551,953	09/1996	Lattin et al.	604	20	6/18/94
M.L.	AM	5,591,139	01/1997	Lin et al.	604	264	10/31/94
M.L.	AN	5,611,806	03/1997	Jang	606	167	6/6/94
M.L.	AO	5,658,515	08/1997	Lee et al.	264	219	5/23/95
M.L.	AP	5,681,580	10/1997	Jang et al.	424	449	9/25/95
M.L.	AQ	5,704,520	01/1998	Gross	222	334	5/23/95
M.L.	AR	5,711,761	01/1998	Untereker et al.	604	20	3/27/96
M.L.	AS	5,730,714	03/1998	Guy et al.	604	20	2/24/95
M.L.	AT	5,735,273	04/1998	Kurnik et al.	128	635	2/26/94
M.L.	AU	5,771,890	06/1998	Tamada	128	635	8/12/85
M.L.	AV	5,800,420	09/1998	Gross et al.	604	890.1	6/24/94
M.L.	AW	5,807,375	09/1998	Gross et al.	604	890.1	12/19/96
M.L.	AX	5,814,020	09/1998	Gross	604	41	11/2/95
M.L.	AY	5,820,622	10/1998	Gross et al.	604	890.1	8/6/96
M.L.	AZ	5,827,183	10/1998	Kurnik et al.	600	345	12/18/96
M.L.	AAA	5,848,990	12/1998	Cirelli et al.	604	136	10/29/97
							8/14/97

Examiner Signature <i>M. L. Kingsford</i>	Date Considered 4/19/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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M.P.	ABB	5,848,991	12/1998	Gross et al.	604	140	4/25/97
M.P.	ACC	5,855,801	01/1999	Lin et al.	216	2	1/7/97

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
M.P.	ADD	1667864	03/1989	SU				X
M.P.	AEE	WO 96/37256	11/1996	WO			X (English Abstract)	
M.P.	AFF	WO 97/03718	02/1997	WO			X	
M.P.	AGG	WO 97/48440	12/1997	WO			X	
M.P.	AHH	WO 97/48441	12/1997	WO			X	
M.P.	AII	WO 97/48442	12/1997	WO			X	
M.P.	AJJ	WO 98/00193	01/1998	WO			X	
M.P.	AKK	WO 99/00155	01/1999	WO			X	
M.P.	ALL	WO 99/29298	06/1999	WO			X	
M.P.	AMM	WO 99/29364	06/1999	WO			X	
M.P.	ANN	WO 99/29365	06/1999	WO			X	

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
M.P.	AOO	Henry et al., Georgia Institute of Technology, Atlanta, GA <i>Micromachined Needles for the Transdermal Delivery of Drugs</i>
M.P.	APP	Henry et al., Georgia Institute of Technology, Atlanta, GA <i>Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery</i> , Journal of Pharmaceutical Sciences vol. 87, No. 8, Aug. 1998, pp. 922-925
M.P.	AQQ	Chun et al., The University of Tokyo <i>An Array of Hollow Microcapillaries for the Controlled Injection of Genetic Materials into Animal/Plant Cells</i> ,
M.P.	ARR	Advertisement for Glucowatch™, Cygnus, Inc.
M.P.	ASS	Interview description of Glucowatch™ by Dr. Ronald Kurnik, Cygnus, Inc.
M.P.	ATT	Wouters et al., <i>Microelectrochemical Systems for Drug Delivery</i> Electrochimica Acta. vol. 42, No. 20-22, 1997, pp. 3385-3390

Examiner Signature <i>M. Patterson</i>	Date Considered 1/19/04
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**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
M.P.	AUU	Prausnitz, Georgia Institute of Technology, <i>Transdermal Delivery of Macromolecules: Recent Advances by Modification of Skin's Barrier Properties</i> ACS Symposium Series 675, Therapeutic protein and Peptide Formulation and Delivery, Chapter 8, pp. 124-153
M.P.	AVV	Prausnitz et al., Massachusetts Institute of Technology, Cambridge, MA <i>Transdermal Transport Efficiency During Skin Electroporation and Iontophoresis</i> Journal of Controlled Release 38 (1996) pp. 205-217

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